

Envirothon Region

Missouri has been divided into seven regional Envirothon competition sections. The Central Region includes: Audrain, Benton, Boone, Callaway, Camden, Cole, Cooper, Gasconade, Henry, Howard, Maries, Miller, Moniteau, Morgan, Osage, Pettis, and Saline Counties.

Central Region Competition

The central region competition will be held Wednesday, March 20, 2013. Competition will be from approximately 8:30 a.m. to 2:30 p.m. at the Runge Nature Center, Hwy 179, Jefferson City, MO. Each of the top three regional team winners will compete in the State Competition which will be held on May 2, 2013, in Callaway County. Missouri's winning team will then compete in the North American Envirothon, the national competition. It will be held August 4-9, 2013 at Montana State University in Bozeman, Montana.

Teams placing 1st through 10th place at the North American Envirothon are awarded scholarships ranging from \$1000 to \$5000 per student. These scholarships can go toward enrollment at any university, college, or trade school.



For More Information

Contact your local Soil & Water
Conservation District Office

Your contact is:

Peggy Lemons
Cole County SWCD
1911 Boggs Creek Road
Jefferson City, MO 65101

Phone: 573-893-5188 x 3

Fax: 573-893-7238

Peggy will send you a Registration Form for your team. This must be completed and returned by January 29, 2012. There is a \$50 entry fee per team. Please contact Peggy for information on handling the registration payment. Once you are registered, you will receive a packet of study guides and competition information.

Peggy can also help to schedule training from soils, forestry, aquatics, or wildlife professionals.



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Get Involved in Envirothon!



**2012 First Place —Columbia FFA
Boone County**

Regional Envirothon competitions are sponsored by the Missouri Association of Soil and Water Conservation Districts, the Department of Natural Resources, and the Missouri Department of Conservation in partnership with the Natural Resource Conservation Service and the University of Missouri Extension Service.

What is Envirothon?

Envirothon is a problem-solving natural resource competition for students in grades 9 through 12 or ages 14 to 19. Teams of high school students are tested on their knowledge of the state's natural resources: soils, forestry, wildlife, aquatics, and a current conservation issue. Students visit five "in-the-field" test stations (20 minutes each) where written and hands-on problem solving are required. Using visual aids, each team will give an oral presentation addressing the current conservation issue to a panel of judges.

What Will Students Learn from this Experience?

Participants will gain a deeper knowledge of:

- Responsible resource management to ensure adequate supplies of food and fiber
- The effect individual actions have on the environment
- The interactions and inter-dependencies of our environment
- Current environmental issues
- The agencies available to assist in resource matters



Key Points of Topics Tested on

The following key points briefly describe the topics teams will be tested on at each station.

Aquatics: Identify processes/phases of the water cycle; explain differences of aquifers; methods used to manage aquatic environments; analyze competing uses of water supply, hydropower, navigation, waste assimilation, and other; delineate watershed boundary for a small water body.

Forestry: Identify trees; understand forest ecology, forest management, cause and effect relationship of tree growth factors; describe how wildlife habitat relates to forest communities; apply silviculture concepts and methods.

Soils: Describe soil properties and soil formation factors; identify soil erosion; utilize soil survey information (map units/soil descriptions); discuss how soil is a factor in, or is impacted by recreational activities.

Wildlife: Identify wildlife and survival needs; evaluate habitat for suitability; describe impact of non-native species and factors affecting threatened species; describe predator/prey relationships and food chains/food webs.

Current Issue: "Sustainable Rangeland Management-Achieving A Balance Between Traditional Agriculture and Non-Traditional Agriculture Uses" —the fifth test site. This test site and the Oral Presentation will both deal with this subject.

2013 Oral Presentation Topic: "Sustainable Rangeland Management" A specific oral presentation problem relating to this topic will be given to participating teams one month prior to the competition. It is required that all teams participate in the oral component.

Check out the envirothon web site for links to additional resources.

Envirothon History

Envirothon was started in 1979 by three Pennsylvania Soil & Water Conservation Districts. By 1988, the idea had caught on and the first national contest was held. By 1995, the program attracted participants from 31 states in the United States and from Canada and Australia. Missouri held its first state Envirothon in 1998. Ten teams participated in the pilot event. Since then Missouri has sent teams to the national competitions in Michigan in 1998, California in 1999, Nova Scotia in 2000, Mississippi in 2001, Massachusetts in 2002, Maryland in 2003, West Virginia in 2004, Springfield, Missouri in 2005, Winnipeg, Manitoba, Canada in 2006, New York in 2007, Arizona in 2008, North Carolina in 2009, California in 2010, Sackville, New Brunswick in 2011. Fifty-four teams from the United States and Canada competed at the 2012 North American Envirothon in Selinsgrove, Pennsylvania. Missouri's team from Pembroke Hill High School placed 1st and won that event.

Training

Training will be available from the Missouri Department of Conservation, University Extension, Department of Natural Resources, and the Natural Resources Conservation Service. We also have an Envirothon Resource Trunk that can be scheduled to help your students study.

Additional training can be arranged through your local Soil & Water Conservation District.

Web sites to look at:

www.swcd.mo.gov/moniteau/projects

www.envirothon.org

Www.moenvirothon.org

These web sites will provide information on your local, state and national competition. You can also find an overview of the current issue, the learning objectives, sample tests, rules and regulations, and more.